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WORKS SUBMITTED IN COMPETITION FOR THE 1963 LENIN PRIZES

- USSR -

[Following is the translation of the announcement by the Committee on Lenin Prizes in the Field of Science and Technology, Council of Ministers USSR, published in the Russian-language newspaper Izvestiya (News), Moscow, 4 December 1962, pages 3,4.]

a) In Physico-Mathematical Sciences

1. Aleksandrov A. D., Borisov F. Yu, Zalgaller V. A. and Reshetnyak, Yu. G. General Theory of Irregular Surfaces.

Submitted by the A. A. Zhdanov Leningrad State University and the faculty of mathematical mechanics of the M. V. Lomonosov Moscow State University.

2. Al'pert Ya. L. An Investigation of the Propagation of Long Waves and Electromagnetic Waves of Low and Super-Low Frequency Beneath the Surface of the Earth.

Submitted by the institute of the earth's magnetism, ionosphere and radio wave propagation of the USSR Academy of Sciences.

3. Vekua I. N. Generalized Analytic Functions.

Submitted by the Siberian branch of the USSR Academy of Sciences.

4. Zhmudskiy A. Z. Highly dispersive roentgenography of Great Luminosity, and the Structure of Spectral Lines.

Submitted by the T. G. Shevchenko Kiev State University.

5. Kravyn M. G. The Discovery and Development of a Number of New

Fields in Mathematical Analysis.

Submitted by the faculty of mathematical mechanics of the V. M. Lomonosov Moscow State University and the Moscow Mathematical Society.

6. Molodenskiy, M. S. A Series of Works on the Earth.

Submitted by the institute of the earth's physics of the USSR Academy of Sciences and the central scientific-research institute of geodesy, aerial survey and cartography.

7. Pontecorvo, B. M. Weak interactions of elementary particles and the physical structure of the neutrino.

Submitted by the United Institute of Nuclear Research.

b) In Chemical Sciences

1. Andrianov, E. A. Investigation in the Field of Polymers With Inorganic Principal Molecule Chains.

Submitted by the Institute of Organic Element Compounds of the USSR Academy of Sciences.

2. Kursanov, D. N., Vol'pin, M.E. Investigating New Non-Benzolic Aromatic Systems.

Submitted by the Institute of Organic Element Compounds of the USSR Academy of Sciences.

3. Likhtman, V. I., Shehukin, Ye.D., Rebinder, P.A. The Physico-Chemical Mechanics of Metals.

Submitted by the Institute of Physical Chemistry of the USSR Academy of Sciences.

4. Mndzhoyan, A. L. The Organization of Research Into the

[Synthesis of Physiologically Active Compounds, And the Introduction of
Soviet Medicaments into the Practice of Medicine.

Submitted by the Presidium of the Armenian Academy of Sciences.

5. Toropov, N. A., Bondar', I. A., Galakhov, F. Ya., Lazarev, A.
N., Keler, E. K., Leonov, A. I., Godina, N. A. Silicates of Rare-Earth
Elements.

Submitted by the I. V. Grebenshchikov Institute of Silicate Che-
mistry of the USSR Academy of Sciences.

6. Freydlin, R. Kh. Homologous and Heterolytic Conversions of
Polychlor-Hydrocarbons and Their Derivatives.

Submitted by the Organic Element Compounds of the USSR Academy
of Sciences.

7. Snemyakin, M. M., Khokhlov, A. S., Kolosov, M. N., Bergel'son,
L. D., Antonov, V. K. The Chemistry of Antibiotics.

Submitted by the Institute of the Chemistry of Natural Compounds
of the USSR Academy of Sciences.

c) In Geological and Geographic Sciences

1. Akramkhodzhaev, A. M., Babayev, A. G. The Lithology, Paleo-
geography and Oil- and Gas-Bearing Cretaceous Sedimentations of Uzbe-
kistan.

Submitted by the Academy of Sciences of the Uzbek SSR.

2. Bagdasaryan, A. B., Allakhverdyan, G. O., Valesyan, L. A.,
Dul'yan, S. M., Yerezyan, S. T., Kocharyan, G. A., Marchyan, S. S.
- An Atlas of the Armenian SSR.

Submitted by the Presidium of the Academy of Sciences of the Armenian SSR.

3. Vinogradov, A. P., Nalivkin, V. D., Khain, V. Ya., Romanov, A. B., Sokolov, R. G., Tikhov, V. N., Domrachev, S. M., Pozner, V. M., Korsh, N. N., Sazonov, N. T., Vardanyants, L. A., Krasnov, I. I., Khabakov, A. V. Lithologic-Paleographic Maps of the Russian Platform and Its Geosynclinal Framework.

Submitted by the All-Union Scientific-Research Institute of Oil Prospecting and the All-Union Scientific-Research Geological Institute.

4. Zhanchuzhnikov, Yu. A., Yablokov, V. S., Bogolubova, L. I., Botvinkina, L. N., Timofeyev, F. P., Feofilova, A. P. New Methods of Studying the Coal and Coal-Bearing Sedimentations, and a Detailed Lithological Investigation, of the Middle Carboniferous Period of the Donets Basin.

Submitted by the Geological Institute of the USSR Academy of Sciences.

5. Zenkovich, V. P. The Foundation of the Theory of Seacoast development.

Submitted by the Institute of Oceanology of the USSR Academy of Sciences.

6. Rukhin, L. B. The Bases of General Paleo-geography.

Submitted by the A. A. Zhdanov Leningrad State University.

d) In Biological and Agricultural Sciences .

1. Ivanova, Ya. N., Letunov, P. A., Rozov, N. N., Fridland, V. M.,

Shashko, D. I., Shuvalov, B. A., Yerokhina, A. A., Nogina, N. A.

The Soil and Geographic Zoning of the USSR (in connection with the land utilization for agricultural purposes).

Submitted by the V. V. Dokuchayev Institute and the Department for the Study of Productive Resources of the USSR State Economic Council.

2. Kozhov, M. M. The Biology of Lake Baykal.

Submitted by the A. A. Zhdanov Irkutsk State University.

3. Milovanov, V. K. The Biology of the Reproduction and the Artificial Insemination of Agricultural Animals.

Submitted by the All-Union and the Azerbaydzhan Scientific-Research Institutes of Stock Breeding.

4. Peyve, Ya. V. The Biochemistry of the Soil and Micro-Elements.

Submitted by the Presidium of the Latvian Academy of Sciences.

5. Selyaninov, G. T. A Scientific Basis for the Classification of Cultured Plants by Climate, and the Principles and Method of Agro-climatic Zoning of the USSR.

Submitted by the All-Union Scientific-Research Institute of Plant Growing.

6. Sokolov, S. Ya., Poletiko, O. M., Zamyatnin, B. N., Pilipenko, F. S., Maleyev, V. P. The Plants and Shrubs of the USSR, Cultivable and Likely to be Introduced, Vols 1-6.

Submitted by the V. L. Komarov Botanical Institute of the USSR Academy of Sciences.

7. Titov, I. A. The Interaction Between Plant Communities and

the Conditions of the Surrounding Medium. The Development of Geo-Vegetative Systems.

Submitted by the All-Union Agricultural Institute of Correspondence-Course Education.

e) In Medical Sciences

1. Zil'ber, L. A., Abelev, G. I. The Virology and Immunology of Cancer.

Submitted by the N. F. Gamaley Institute of Epidemiology and Microbiology of the USSR Academy of Medical Sciences.

2. Myasnikov, A. L. Therosclerosis.

Submitted by the Institute of Therapy of the USSR Academy of Medical Sciences.

3. Petrov, N. N., Sarabrov, A. I., Kholdin, S. A., Glazunov, M.F., Khlopin, N. G., Shanin, A. P. Malignant Tumors.

Submitted by the Institute of Oncology of the USSR Academy of Medical Sciences.

4. Sorokhtin, G. N. The Atony of the Nervous Center.

Submitted by the Petrozavodsk State University.

5. Turakulov, Ya. Kh., Islambekov, R. K. A Biochemical and Clinical-Morphological Investigation of the Thyroid Gland in Specific chireoid (Russian term: Kireoidnoy) Pathology and Radioiodine Therapy.

Submitted by the Department of Biological Sciences of the Uzbek Academy of Sciences.

f) In Historical Sciences

1. Abetsedarskiy, L. G., Gorbunov, T. S., Kamenskaya, N.V., Kravchanko, I. S., Pertsev, V. N., Shabunya, K. I. A History of the Belorussian SSR, Vols. I and II.

Submitted by the Institute of History of the Belorussian Academy of Sciences.

2. Artamonov, M. I. A History of the Khazars.

Submitted by the A. A. Zhdanov Leningrad State University.

3. Zhelobovskaya, E. A., Manfred, A. Z., Molok, A. I., Potemkin, F. V., Krasil'nikov, S. N., Kheyfets, S. A. The Paris Commune of 1871 (in 2 volumes).

Submitted by the Institute of History of the USSR Academy of Sciences.

4. Krupnov, Ye. I. Ancient History of the North Caucasus.

Submitted by the Institute of Archaeology of the USSR Academy of Sciences.

g) In Economic and Philosophic Sciences

1. Varga, Ye. S. Basic Problems of the Economy and Policy of Imperialism (after the second World War); Twentieth Century Capitalism; Contemporary Capitalism and Economic Crises.

Submitted by the Department of Economic Sciences of the USSR Academy of Sciences and the Institute of World Economy and International Relations of the USSR Academy of Sciences.

Venediktov, A. V. The Organisation of the State Industry in the

USSR, Vols. I and II.

Submitted by the A. A. Zhdanov Leningrad State University.

3. Zorin, V. A., Menzhinskiy, V. I., Piradov, A. S., Usachev, I. G., Shakhov, P. F., Shevchenko, A. N. The Struggle of the Soviet Union for Disarmament.

Submitted by the Moscow State Institute of International Relations

4. Leont'yev, A. N. The Development of Psychics.

Submitted by the philosophic faculty of the M. V. Lomonosov Moscow State University.

5. Probst, A. Ye. The Distribution of the Socialist Industry (theoretical essays).

Submitted by the Department for the Study of Productive Resources of the USSR State Economic Council.

6. Soseliya, G. K. Revisionism and the Marxist Theory of Proletarian Dictatorship.

Submitted by the A. M. Gor'kiy Sukhumi State Pedagogical Institute.

b) In Machine Building

1. Abashkin, V. V., Devyatkov, V. F., Chebanenko, V. M., Sharonin, V. S., Burov, Yu. N., Volkov, M. N., Elinov, V. A., Blagodatkiy, B. I., Nikiforov, V. G., Gorin, N. V., Bashkirov, A. Ya., Amelina, A. A., Melashkin, I. I. The Introduction of Roller Bearings in the Railroad Rolling Stock of the USSR.

Submitted by the Railroad Ministry of the USSR

2. Belogortsev, P. G., Blokhin, K. A., Voloshnyagov, G. V.,

[Gora, V. Ye., Dragavtsev, A. M., Yevtushenko, S. A., Zolotarakiy, A. F.],
Murav'yev, I. V., Nikolayev, P. P., Pashinin, S. A., Platov, V. I., Plo-
khotskiy, M. A., Trukhmenov, L. L., Yanchenko, A. V. A Set of New Highly-
Efficient Machines for the Complex Mechanization of Track Operations on
the Railroads.

Submitted by the Railroad Ministry of the USSR.

3. Butyrin, A. S., Kornev, A. I., Grodskiy, O. G., Dolinskiy,
E. D., Kellarev, M. M., Krasnogolovyy, N. I., Levin, A. V., Ovchinnikov,
B. V., Spiridonov, K. A., Chizhik, A. I., Yakovlev, A. M., Grinber, M. I.
A PVK-200-130 Steam Turbine with a 200,000 kw. capacity, 130 Atmospheres,
565°C and Intermediate Superheating up to 565°C.

Submitted by the Sovnarkhoz of the Leningrad Economic Administ-
rative region.

4. Izakson, Kh. I., Shumakov, V. G., Gorbachev, Ye. A., Anashkin,
A. T., Rukyantsev, Ye. K., Merkulov, A. M., Lutay, N. V., Ivanov, V. A.,
Solodenko, G. P., Lavrent'yev, V. D., Abelev, N. Sh. The Development
of a System of Grain Combines with a Capacity of 3-4 kg/sec, and Their
Mass Production at the Specialized Taganrog and Rostsel'mash Plants.

Submitted by the Rostov Oblast Party Committee and the Sovnarkhoz
of the Rostov Economic Administrative Region.

5. Kurdyavtsev, I. V., Kulikov, O. O., Shkol'nik, L. M., Zobnin,
N. P., Serensen, S. V., Braslavskiy, V. M., Kus'min, M. I., Sveshnikov, D. A.
The Development of the Theoretical Foundations and Technological Pro-
cesses of Surface Plastic Deformations of Machine Parts With a View to

Improving Their Carrying Capacity and Prolonging Their Service Life.

Submitted by the Central Scientific-Research Institute of Technology and Machinebuilding.

6. Litvinov, I. F., Vakhrushev, I. F., Golubkov, K. A., Kondratov, Yu. N., Lipin, Ya. D., Mamkin, V. M., Penugina, A. P., Skluyev, P. V., Terent'yev, V. S., Farshayt, Ye. D., Kadkevich, V. N., Olefir, F. F., Krongauz, N. D., Antonov, S. P., Druzhinin, N. N., Sheynman, A. A.

The Development of Metal-Rolling Equipment for the Production of Thin Cold-Rolled Sheet Metal.

Submitted by the Sovmarkhoz of the Sverdlovsk Economic Administrative Region.

7. Lubavskiy, K. V., Novozhilov, N. M., Brinberg, I. L. Golub, L. V., Sokolova, A. M., Suslov, V. N., Dudko, D. A., Zaruba, I. I., Kasatkin, M. S., Kakhovskiy, N. I., Ostapenko, N. G., Potap'yevskiy, A. G., Petrov, A. V., Akulov, A. I., Vychezhzhanin, A. A., Zaboltn, V. F., Mironov, B. A., Kuz'min, D. K., Burkhutov, A. N., Gologovskiy, G. M., Zhukovskiy, V. G., Vlasov, V. I. The Development and Introduction in Industry of a New Automatic and Semi-Automatic Welding Process in Carbon Dioxide with a Fusible Electrode.

Submitted by the Central scientific-research institute of Technology and Machinebuilding and the E. O. Paton Electric Welding Institute of the Ukrainian Academy of Sciences.

8. Maskilevson, A. M., Burov, A. S., Gurevich, A. Ye., Vernik, A. B., Nibikov, P. V., Osadchiy, Ye. P., Kagan, N. I., Usachev, I. M.,

Matveyev, Yu. M., Sokulinskiy, V. P. The Construction of a Standard High-Speed Machine for Continuous Pipe Welding.

Submitted by the All-Union Scientific-Research and Project-Designing Institute of Metallurgical Machinebuilding.

9. Poyarkov, A. S., Azarov, N. P., Boronin, A. I., Gol'tsev, N. V., Ivanov-Antonov, A. G., Ognev, V. A., Polyusuk, A. M., Rudenko, I. A., Goryainov, V. A., Shrabsteyn, B. A. An Automated Assembly Line for the Production of Roving in the Asbestos Industry.

Submitted by the Sovnarkhoz of the Moscow (city) economic administrative area.

10. Prikhod'ko, A. N., Akhmedov, G., Makhrov, P. A., Shorokhov, A. K., Nazarov, Sh., Kuchiyev, D., Dzhalalov, M. The Design, Serial Production and Introduction of the Two-Row Vertical-Spindle Cotton Picker KhVS-1.2 in the Cotton Industry.

Submitted by the Sovnarkhoz of the Uzbek SSR.

11. Solomykin, A. P., Bohkarev, B. I., Gitalov, A. V., Zagryadskiy, V. P., Kochura, I. A., Nyzhnik, F. I., Romanyuk, A. I., Chumachenko, I. Ya. Designing the Highly-Efficient EKKh-3 Corn-Picking Combine Khersonets, Organizing Its Serial Production at the Kherson Combine Plant and Introducing it into Operation.

Submitted by the Kherson Oblast Committee of the Ukrainian communist Party and the Sovnarkhoz of the Kherson Economic Administrative Region.

12. Soroka, P. A., Naysh, M. N., Kushnarenko, N. U., Nosachev, N. M.,

[Kikot', V. M., Filonenko, D. N., Stratonov, N. S., Samokhin, G. A.,
 Chuvankov, A. F., Stepanov, I. I., Goldovanskiy, P. N., Shternov, A. A.,
 Turik, N. A., Shohukin, M. N., Petrov, P. I. The Large-Scale Serial
 production of Mainline Diesel Locomotives in the Shortest Possible Time
 at the Lugansk Diesel Locomotive Works named after the October Revolution.

Submitted by the Lugansk Oblast Committee of the Ukrainian Commu-
 nist Party and the Sovnarkhoz of the Lugansk Economic Administrative
 region.

13. Ukladov, D. V., Lots, Yu. A., Apter, M. A., Veretenov, L. N.,
 Fedorov, V. I., Chetvernin, A. V., Dreyzin, E. I., Shorokhov, Ye. L.,
 Marusev, M. P., Pogrebinskiy, Yu. K. The Development and Serial Produc-
 tion of Equipment for the Analytical Investigation of Albumen and High-
 Molecular Compounds in High-Energy Centrifugal Fields.

Submitted by the sovarkhoz of the Moscow (city) economic Admin-
 istrative region.

14. Frumin, I. I., Pokhodnya, I. K., Subbotovskiy, V. P., Shirin,
 V. S., Yuzvenko, Yu. A., Petrenko, S. I., Khmel', G. P., Volobuyev, N. A.,
 Mal'tsev, N. A., Shekhter, S. Ya., Panchenko, I. T., Ryzhkov, N. I.,
 Reizov, N. S., Kashchenko, F. D., Dmitriyev, S. N., Korkunov, G. K.
 The Development and Introduction of New Processes of Mechanized Seam-
 with
 Welding with a Flux in Carbon Dioxide and/or an Open Arc.

Submitted by the E. O. Paton Institute of electric welding of the
 Ukrainian Academy of Sciences and the sovarkhozes of the Donetsk, Lugansk,
 Sverdlovsk and Chelyabinsk economic administrative regions.

15. Khlebnikov, A. M., Kirov, V. I., Korotonoshko, N. I. Pashin, M. A., Lipgart, A. A., Yevstrator, V. F., Seleznev, I. I., Nenakhov, B. V., Abramova, E. Ye. Zakharov, S. P. Neyenkirkhen, Yu. N. The Solution of the Roadability Problem of Standard Trucks and the development of new Types of Engines of wheel-type Vehicles.

Submitted by the Central scientific-research of Truck and Motors and the scientific-research institute of the tire industry.

16. Shiyen, I. G., Filukov, L. M., Popov, L. V., Sergeichev, M.V., Zaytsev, M. I., Skorniyakov, V. I., Batrakov, A. P., Kozik, P.P., Razumov, V. P., Pankratov, P. P., Pantyukhov, N. S., Mazin, A. G., Solin, A. I., Gurevich, K. N., Korolev, K. S. Initiating the Serial Production in the USSR of High-Capacity, Low-Speed Marine Diesel Engines for the Merchant Fleet.

Submitted by the sovmarkhoz of the Bryansk Economic administrative region.

17. Shubenko-Shubin, L. A., Antonov, V. F., Berezin, S. I., Degov, P. G., Dronkin, V. D., Lazarenko, A. V., Markin, V. P., Nekhayev, N. I., Sobolev, S. P., Tarasov, I. V., Ugol'nikov, V. V., Chepelo, K.S. The Development and Serial Production of a PVK-150 Steam-Condensation Turbine with 150,000 kw Capacity, 3,000 rpm, Initial steam Parameters of 130 atmospheres 565°C and Intermediate Superheating to 565°C.

Submitted by the sovmarkhoz of the Khar'kov economic administrative regions.

1) In the Field of Instrument Making and Automation Facilities

1. Akimov, V. Ya., Akhidov, L. I., Vizental', I. B., Yermolayev, V. I., Yefremov, M. I., Zubkov, G. A., Indenbaum, N. Ye., Kataya, K. I., Kononov, S. G., Kruchkov, V. V., Lebedenko, N. V., Prokonchenko, N. A., Rassadin, Yu. I., Sviridov, F. S., Feygin, V. I., Shalaginov, S. I.

The Development and Introduction of Mechanization, Automation and Dispatching Facilities at the Degtyarskiy Copper Mine.

Submitted by the sovmarkhoz of the Sverdlovsk economic administrative region.

2. Anan'yev, M. G., Agranenko, V. A., Vaynrib, Ye. A., Gorbovitskiy, Ye. B., Zhukov, V. A., Kozlov, Yu. G., Kashchevskaya, L. A., Kulakov, G. P., Kolosov, Ye. S., Levitskaya, L. A., Lopatkin, N. A., Pytel', A. Ye., Supko, N. S., Sorokina, M. I., Tkachenko, A. S., Teplov, K. I., Unik, V. I., Psahtein, I. M. The Development of a Soviet "Artificial Kidney" Apparatus and its Application in Clinical Practice.

Submitted by the scientific-research institute of experimental surgical apparatus and instruments.

3. Antsyferov, M. S., Konstantinova, A. G., Pereverzev, L. B., Ivanov, V. S., Kokhan, M. F. A Series of Works on the Development and Introduction of Seismo-Acoustic Methods and Instruments for Determining the State of the Coal Mass and Forestalling a Sudden Inrush and Subsidence of the Main Roof in the Coal Beds; also, for Finding Lost Wells in Underground Mining Operations.

Submitted by the A.A. Skochinskiy Institute of Mining.

4. Merkulov, L. G., Verevkin, V. M., Golubev, A. S., Grachev, G. Ye., Yevdokimov, N. A., Yershov, V. G., Zharkov, Z. V., Ryabokon', N.K. Ultrasonic Control of Sheet-Metal Quality Based on a Picture of Internal Defects.

Submitted by the V. I. Ul'yanov (Lenin) Leningrad Electrical Engineering Institute.

5. Ovcharenko, G. I., Andreyev, V. I., Boyarov, A. I., Kleymanov, Yu. V., Belkin, S. R., Kezber, L. K. Very High-Precision Instruments with a Self-Tuning Measuring System for the Automatic Control and Measurement of Small Linear Magnitudes by Magnifying them 200,000 Times.

Submitted by the sovmarkhoz of the Moscow (city) economic administrative area.

6. Rusinov, M. M. Technical Optics. Photogrammetric Optics.

Submitted by the Leningrad institute of precision mechanics and optics.

k) In Metallurgy

1. Averin, A. F., Sosnitskiy, A. Ye., Panfilov, I. M. The Redesigning of Open-Hearth Furnaces for a Larger Charge and for the Simultaneous Steel Casting in Three Ladles.

Submitted by the sovmarkhoz of the Bryansk economic administrative region.

2. Arkhipov, G. S., Podobedov, A. N., Tikhomirov, I. N., Myslivets, K. V., Nikiforov, P. G., Sominakiy, Z. A., Bulanov, A. V., Grushchakov, V. N., Kravchenko, V. F., Korepanov, S.P., Krasnosel'skikh, I.

[G. N., Sveshnikov, G. N., El'bert, S. M., Khakhalin, B. D., Gora, A.M.,
Davydov, V. A., Nikul'shin, G. G. The Development and Introduction of
a Semi-Continuous Method of Producing Cast-Iron Water Pipes.

Submitted by the sovnaarkhoz of the Belorussian SSR, the Ukrain-
ian scientific-research institute of pipes and the sovnaarkhoz of the
Sverdlovsk economic administrative region.

3. Voronov, F. D., Belikov, E. N., Rubanov, A. I., Dikshteyn,
Ye. I., Goncharevskiy, Ya. A., Zuts, K. A., Mantsev, R. M., Chernenko,
M. A., Leshner, G. Ka., Ganiuk, A. A., Fedukov, A. I., Knyazev, A. N.
Designing, Building and Introducing a Unique 900-ton Open-Hearth Furnace.

Submitted by the sovnaarkhoz of the Chelyabinsk economic administ-
rative region.

4. Galatov, N. S., Likhoradov, A. P., Areshkovich, P. Ye., Pere-
pelitsa, A. S., Geraymovich, I. T., Zil'berman, B. Z., Grigorenko, V.D.,
Zil'bershteyn, M. B., Getmanets, V. V., Mroydt, A. S., Yaskovich, F. S.,
Ovchinnikov, V. P. The Development and Introduction of a Rational Me-
thod of Metal Lay-out in the Production of Rolled Metal.

Submitted by the V. I. Lenin Krivoy Rog Metallurgical plant.

5. Gmyrya, P. A., Dryapik, Ye. P., Zhidkov, V. A., Lyk'yanchikov,
Ye. T., Achkasov, A. I., Moyseyenko, A. I. Initiating the Use of 500-ton
Open-hearth furnaces in the USSR and the Production of Low-Alloy Grades
of Steel in Them.

Submitted by the Lugansk oblast committee of the Ukrainian Communist
Party, the sovnaarkhoz of the Lugansk economic administrative region and

the scientific and technical division of the ferrous metallurgical industry.

6. Medovar, M. I., Latash, Yu. V., Maksimovich, B. I., Tregubenko, A. P., Leybenzon, S. A., Shul'te, Yu. A., Gabuyev, G. Kh., Korashkev, M. Ye., Kultygin, V. S., Topilin, V. V., Rozanov, D. P., Menushan-
kov, P. P., Khasin, G. A., Vachugov, G. A., Antropov, O. F., Matevosyan, P. A., Tyurin, Ye. I., Koval', S. I., Akulinin, M. A. The Development and Introduction of an Entirely New Highly-Efficient Method of Raising the Quality of Special Steels and Alloys and Electric-Slag Smelting of the the Used Electrodes in a Water-Cooled Metal Mold (Crystallizer).

Submitted by the E. O. Paton institute of electric welding of the Ukrainian Academy of Sciences and the sovmarkhozes of the Moscow (oblast), Chelyabinsk, Volgograd and Donetsk economic administrative regions.

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Submitted by the council of the scientific-technical society of the V. I. Lenin machinebuilding plant of the Perm' sovmarkhoz.

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The Development and Introduction of a New Case-Hardening Method, a Series of Automatic Machines and Special Carbon Steel to Replace Alloyed Steel and Thermal Processes.

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Submitted by the sovmarkhoz of the Sverdlovsk economic administrative region.

10. Fominykh, I. P., Maksimov, P. G., Laukhin, V. I., Kurakov, I. I., Sigin, A. N., Syromkin, V. M. An Accelerated 12-Hour Method of Wrought Iron Tempering with an "M-T.K.Z" Modifier.

Submitted by the Tula Mechanical Institute.

11. Shevtsov, Ye. I., Zubakov, S.M., Vashchenko, F.I., Babin, P. N. A Basic Improvement in the Design of Furnace Floors and the Methods of Building up Metal on them With a View to Increasing the Output of the Existing Open-Hearth Furnaces in the Soviet Union.

Submitted by the sovmarkhoz of the Karaganda economic Administrative region.

1) In the Field of Mineral Mining and Prospecting

1. Ageyev, G. K., Balakin, Yu. A., Bibko, N. P., Goncharov, A. N., Gaychanya, V. F., Gubchenko, G. M., Dryugal', G. G., Koshkarev, N. G.,

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Submitted by the Lugansk oblast committee of the Ukrainian communist party, the sovnarkhoz of the Lugansk economic administrative region and the oblast scientific-technical mining society.

2. Anisimov, V. V., Belkins, S. G., Bogdanov, A. I., Bysritskiy, A. G., Dmitriyev, Ye. Ya., Lev, S. I., Rostovtsev, N. N., Rovnin, L. I., Erv'ye, Yu. G., Yudin, A. G. The Discovery and Preparation for Commercial Exploitation of the Berezovskiy Gas-Bearing area, the First in Western Siberia.

Submitted by the Tyumen' Oblast committee of the CPSU and the oblast executive committee.

3. Baybakov, N. K., Anisimov, A. Ya., Arutyunov, A. I., Bragin, V. A., Volik, A. L., Din'kov, V. A., Dubovitskiy, V. Ya., Zador, A. G., Karayev, A. O., Sidorenko, M. V., Sidorov, N. A., Kharlamov, G. G. The Complex Solution of the Problem of Drilling and Exploiting of Gas and Condensate-Gas Deposits.

Submitted by the state committee of the USSR Council of Ministers on the fuel industry, the main administration of the gas industry under the USSR Council of Ministers and the central scientific-technical

A Method of Increasing the Effectiveness of Explosions in Mineral Mining.

Submitted by the A. A. Skochinskiy institute of mining.

S. Teaturov, A. I., Apryatin, S. S., Bogdanov, S. V., Viktorov, B.N., Labkovskis, B. Z., Larin, V. I., Merzlenko, Yu. F., Ryezanova, Ye. V., Tilyupo, V. A., Matsiyev, A. M. The Discovery and Exploitation of Mesozoic Oil Deposits in Eastern Cis-Caucasia.

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n) In the Field of Power Engineering

1. Avramenko, A. Ye., Bersenev, V. M., Gorodetskov, A. P., Gruber, L. O., Kosov, F. P., Lazarev, I. I., Men'shikov, N. Ya., Mosov, Yu. M., Pakhtusov, K. I., Petrov, V. N., Ryazantsev, B. S., Serdinov, S. M., Stepanov, A. A., Shtul'man, M. A. The Introduction of Electric Locomotives with AC Current and Industrial Frequency.

Submitted by the Ministry of Railroads and the Ministry of Transport Construction.

2. Bakhshyan, Ts. A., Baklashov, V. Ye., Vikhman, G. L., Ravich, M. B., Ushakov, M. M. Flameless Combustion Tubular Furnaces with Radiant Walls Consisting of Panel Burners.

Submitted by the State scientific-research and planning institute of oil-machine building.

3. Bronfman, A. Kh., Gerasimov, B. L., Grigor'yeva, L. M., Kuz'mina, L. F., Shishman, D. V., Saval'yev, V. P., Prushinina-Granovskaya,

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Submitted by the sovmarkhoz of the Leningrad economic administrative region.

4. Buyvolov, A. V., Volodin, S. L., Yermolenko, V. M., Yevstropov, S. B., Mel'nikov, M. F., Petrov, S. Ya., Sapir, Ye. D., Fedoseyev, A. M., Feyst, P. K., Tsarev, M. I., Tsfasman, M. B., Chernobrovov, N. V., Mikutskiy, G. V. The Development of a Complex of Relay Protective and Automation devices for 500 kw Power-Transmission Lines.

Submitted by the sovmarkhoz of the Chuvash economic administrative region, the All-Union scientific-research institute of power engineering and the Energoset'proyekt scientific-research institute.

5. Zhimov, N. I., Krol', L. B., Styrikovich, M. A., Kobzarev, V. T., Dorozhnikov, A. A., Livshitz, E. M., Rabkin, Yu. I., Ponizovskiy, M. M., Ushomirskiy, S. M., Potamkin, A. A., Chechel'nitskiy, I. I., Levkopulo, A. Kh., Petrov, V. N. The Development and Introduction of Peak-Load High-Capacity Water-Heating Boilers for the Purpose of Improving the Method of Heat Generation and Supply.

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6. Romanovskiy, S. G., Syrov, V. N., Adamovich, V. Ye., Stetsyuk, M. M., Ivanov, V. M. A Method of Drying Nonconductive Materials (lumber

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Submitted by the Kherson shipbuilding plant.

7. Tikhmenev, B.N., Lapin, V. B., Penkin, N. F., Ivanov, I. I., Leonov, A. A., Yelkin, S. N., Suslov, B. V., Bondaranko, B. R., Novitskaya, T. V., Dmitriyev, V. K., Zabrodin, B. V., Dubrovskiy, Z. M.

The Problem of Railroad Electrification in the USSR with Industrial-Frequency Alternating Current.

Submitted by the Ministry of Railroads.

n) In Chemical Technology

1. Bashkurov, A. N., Kancelkin, V. V., Lodzik, S. A., Sokova, K. M., Naumenko, P. V., Arsen'yev, D. M., Monkovkin, M. G., Bolyanovskiy D. M., Kurasov, V. I., Kashcheyeva, Ye. D. The Establishment of a Scientific Basis and Technology of Producing Higher Aliphatic Alcohol by Oxidizing Hydrocarbons in a Liquid Phase, and the Introduction of this Economically Important Process into Industry.

Submitted by the Institute of Chemical Synthesis of oil of the USSR Academy of Sciences.

2. Yedrankin, V. S., Akchurina, A. A., Bernadyuk, Z. A., Ivanov, G. S., Krayukhin, V. A., Matveyev, M. S., Pobegaylo, P. I., Chirimanov, P. A. A Radical Change in the Processes of Desalinating Petroleum and Purifying the Drainage of Oil-Refining Plants.

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3. Zuyev, V. P., Orlovskiy, P. N., Paulina, V. V., Tesner, P. A.]

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4. Manvelyan, M. G., Gasparyan, G. A., Babayan, G. G., Grigoryan, G. O., Malchadzhyan, S. O., Safaryan, M. S., Kostanayan, K. A., Dovlatyan, A. N., Vermishev, K. Kh., Vartapetyan, B. S., Bagdasaryan, G. P., Keropyan, S. O., Montvid, A. E., Strel'tsov, A. N., Kotlyar, V. N. The Complex Processing of Nephelinic Syenites.

Submitted by the sovnarkhoz and presidium of the Academy of Sciences of the Armenian SSR.

5. Maslyanskiy, G. N., Bitepazh, Yu. A., Bursian, N. R., Karkusher, D. D., Pokorskiy, V. N., Osmolovskiy, G. M., Mushenko, V. M., Barkan, S. A., Teodorovich, V. P., Agafonov, A. V., Gol'shteyn, M. L., Rysakov, A. V., Osipov, L. N., Gel'ma, I. E., Sredin, V. V., Zaglodin, L. S., Aspel', N. B., Tarasankov, P. M., Belyayev, V. I., Shuvayev, Ye. S., Evstaf'yev, V. V., Matveyev, A. A., Khvastunov, V. V., Zhadanovskiy, N. B., Pechernikova, K. A., Kasatkin, V. A., Gerasimenko, N. M. The Development and Introduction of Catalytic Processes Designed to Produce a Radical Improvement in the Quality of Motor Oil.

Submitted by the All-Union scientific-research institute of chemical oil processes, the All-Union scientific-research institute of the oil industry, the Leningrad state institute for planning liquid-fuel

and gas-producing enterprises and the state institute for the planning of oil-refining plants.

6. Samsonov, G. V., Bruns, B. P., Bresler, S. Ye., Trostyanskaya, Ye. B., Pashkov, A. B., Shvedov, D. I. The Principles and Technology of the Ion-Exchange Methods of Separating and Purifying Antibiotics and Other Medicines.

Submitted by the institute of high-molecular compounds of the USSR Academy of Sciences and the All-Union scientific-research institute of antibiotics of the USSR Public Health Ministry.

o) In Construction and Architecture

1. Alekseyev, A. I., Belyayev, Yu. A., Bogatyrev, M. Ye., Galstyan, M. O., Zhogolev, B. A., Ivanov, A. D., Kazimirov, A. A., Korniyenko, A. S., Krasnov, V. M., Lastovetskiy, V. A., Lebedev, B. F., Lebed', D. P., Mel'nikov, N. P., Miller, V. Ya., Olesov, I. P., Paton, V. Ye., Petrakov, A. I., Plashevskiy, M. A., Popov, G. D., Tereshchenko, V. I., Teslya-Teslenko, V. P., Tipov, A. M., Chesnokov, A. S., Shneyderov, R. G., Yakinishin, G. S., Yatsuk, M. P. The Development and Introduction of Progressive Methods of Producing and Installing Welded Metal Structural in Industrial Construction.

Submitted by the ministries of construction of the RSFSR and the Ukrainian SSR.

2. Aristarkhov, V. V., Bobrik, I. D., Volchaninov, A. G., Garnitskiy, I. A., Ivanov, K. K., Ivantsov, P. G., Ladychenko, K. D., Mil'gram, R. S., Ostrovskiy, V. I., Retyunskiy, N. A., Sazonov, V. S.,

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Submitted by the ministries of transport construction and the
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3. Bagdasar'yan, G. S., Grishuk, I. Ya., Karpushov, I. K., Kislov,
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Bearing Rock.

Submitted by the Ministry of Construction of the RSFSR.

4. Budnikov, P. P., Zhukov, A. V., Kamenetskiy, S. P., Polinkov-
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of Effective Construction, Heat-Insulating Materials and Manufactures.

Submitted by the Ukrainian republic administration of the D.I. Men-
daleyev All-Union chemical society.

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[The Development and Introduction of the Block-Assembly Method of]

Building Large-Panel, Series 1-325 Buildings.

Submitted by the sovmarkhoz of the East Kazakhstan economic administrative region.

6. Yegerev, V. S., Kubasov, V. S., Novikov, F. A., Paluy, B.V., Pokrovskiy, I. A., Khazhakyan, M. N., Ionov, Yu. I., Ovsyannikov, K. L., Bayer, Ye. Ya., Al'ferov, V. V., Ber, A. Ye. The Opening of a Palace of Pioneers and School Students in the Lenin Mountains.

Submitted by the Glavmosstroy construction trust under the Moscow city Executive Committee, the Moscow branch of the architects union and the Mosproyekt-2 administration for the planning of public buildings and installations.

7. Zavadskiy, V. B., Bekit'ko, V. A., Yegorushkin, P.N., Ponomratov, V. M., Sitakiy, A. M., Talerov, P. A., Fisher, G. S. The Moscow Loop Highway.

Submitted by the Ministry of Transport Construction.

8. Zelen'kov, F. D., Portayev, L. P., Dedkov, P. S. A Building Foundation Designed to Withstand an Earthquake of 9-Point Force and Higher by Built-in Shock-Absorbing Features.

Submitted by the Moscow administration of the scientific-technical society of the construction industry.

9. Zubarev, P. D., Kots, I. D., Vol'f, I. V., Goryaynov, K. E., Slipchenko, F. A., Bykanov, I. P. The Development and Introduction of Installations for the Production of Sleg Cotton from Accumulated Slag Smeltings.

Submitted by the Donetsk oblast administration of the construction industry's scientific-technical society.

10. Korablevnikov, A. R., Kuz'min, A. A., Kuchanov, S. I., Avrutin, Yu. E. The Opening of a Panoramic Museum of the "1812 Battle of Borodino."

Submitted by the planning division of the Mosstroy civilian housing and municipal construction trust.

11. Neporozhniy, P. S., Relyakov, A. A., Yurinov, D. M., Mozhevitsinov, A. L., Triger, N. L., Vasil'yev, A. F., Shlom, Ye. Ye., Rossinskiy, K. I., Vasilenko, P. I., Likhachev, V. P., Yevdokimov, P. D., Aravin, V. I., Besevich, A. Z., Voynovich, P. A., Levi, I. I., Berezhnov, A. A., Grishin, M. M., Maslov, N. N., Izhash, S. V. The Planning and Construction of Hydroelectric Power Plants on Soft Ground.

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12. Polezhayev, V. D., Bolotin, Ye. K., Gor'kov, A. M., Grunichev, L. A., Minaychenkov, V. S., Memonov, A. I., Smetenkin, P. S., Travin, L. N., Fedorov, N. I., Shtern, S. L., Yakobson, I. M. The Moscow Method of Subway Construction.

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the state committee on construction of the RSFSR Council of Ministers,
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nomic administrative region.

14. Rabinovich, I. M., Sinitsyn, A. P. The Theory of Protective
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Submitted by the V. V. Kuybyshev Red-Banner Military Engineering
Academy.

15. Strzhalkovskiy, Ye. G., Verizhnikov, S. M., Isayev, V. Ya.,
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S. L., Shapovalov, I. G. A New Method of Building Houses by Housing-
Construction Plants.

Submitted by the Leningrad branch of the USSR Academy of Con-
struction and Architecture.

16. Strizhevskiy, M. V., Myzenko, Ye. V., Krasil'nikov, P. F.,
Grigor'yeva, M. F., Belov, I. V., Morozov, N. V., Sedokova, M. T., Po-
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Perlite, Perlite-Concrete and Prefabricated Perlite-Concrete Structu-
rals -- and Using Them for the Construction of Industrial Plants and
Houses.

Submitted by the sovarkhoz of the Irkutsk economic administrative region and the East Siberian branch of the Siberian Academy of Sciences of the USSR.

17. Shapiro, I. Ye., Tykachinskiy, I. D., Frolova, Ye. G., Burneyeva, L. I., Frominova, Zh. B., Korolev, S. I., Bromley, P. V., Shatokhin, I. S., Pototskaya, G. V., Berezin, B. A., Zaliznyak, D. V., Mayevskiy, Ye. R., Firer, M. Ya., Sorokaletov, I. I., Vorob'yev, V. I., Slonimer, B. M., Povarov, K. I., Andreyev, V. S. The Development of Production of Heat-Resistant Pipes from Nondeficit Boraxless Glass, and its Introduction in Place of Rustproof Steel and Nonferrous Metal Pipes.

Submitted by the state scientific-research institute of glass.

p) In Agriculture and the Lumber Industry

1. Bayburtseyan, A. A., Mkrtchyan, B. L. A New Method of Castrating Agricultural Animals.

Submitted by the Armenian Ministry of Agricultural Procurements and the Yerevan Zoo-veterinary institute.

2. Euzanov, I. F., Vashavskiy, B. Ya., Ushakov, A. F., Prisyazhnyuk, P. F., Podtykan, Ya. P., Kutsuruba, N. V., Khmelevskiy, N. N., Konovalov, M. T., Kuz'mich, S. I., Mel'nichuk, A. N., Svetlichnyy, V. A., Lebedik, A. I., Galkin, V. I., Roginskiy, G. I., Os'kin, A. I., Gachinskiy, Ye. V., Derksch, T. V., Paramonov, B. I., Shapovalov, P. T., Gnatenko, M. V., Perkovskiy, I. L., Zhuravskiy, P. A., Zelinakiy, A. A., Mel'nik, V. D., Zelinskiy, V. F., Bosvunovskiy, A. I., Mel'nichenko, V. P., Bisovetskiy, T. Ya., Shvayko, K. P., Margatskiy, Ye. Ye.,

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Submitted by the Sovmarkhoz of the Ukrainian SSR.

4. Vintaykin, P. P., Sergeyev, B. N., Nizel'skiy, N. V., Nazarev-
skiy, P. P., Volkov, V. P., Trefilov, A. G. The PZG-2 Paste Maker.

Submitted by the Novocherkassk Gormash (mining machine) plant.

5. Garkavyi, P. F. The Controlled Cultivation of Agricultural
Plants Designed to Develop Frostproof and High-Yielding Grades of Win-
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Submitted by the T. D. Lysenko All-Union Plant Selection Insti-
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6. Krasnov, V. S., Vorob'yev, N. M., Gopka, V. V., Gorchakovskiy,
Ye. G., Gornovesov, G. V., Zubkov, B. D., Kudin, Ye. P., Kuchar, P. A.,
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troduction of Electric Mechanization of Production Processes in Open
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Submitted by the Zaporozh'ye branch of the All-Union Scientific-
research institute of rural electrification.

7. Li, Lubov'. The Use of Advanced Corn-Cultivation Methods, the Production of Record Crops on "arge Sown Areas and the Wide Dissemination of such Experience.

Submitted by the Uzbek Ministry of Agricultural Procurement, the Uzbek Ministry of Agriculture and the general meeting of the Politotdel kolkhoz, Verkhne-Chirikskiy rayon, Tashkent oblast.

8. Mamontova, V. N. The Development and Introduction in the Kolkhozes and Sovkhozes of the Following Grades of Spring Wheat: Saratovskaya 29, Sararubra, Lutescence 758, Albium 24, Saratovskaya 210, Albidum 43 and Gordeiform 5695.

Submitted by the scientific-research institute of agriculture of the Southeast of the RSFSR Ministry of Agriculture.

9. Musamukhamedov, Rizamat. A new System of Shaping Grapevines, the Development of Methods to Reconstruct Low-Spread Vineyards and the Mechanization of Vineyard Planting.

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10. Remealo, V. N. The Development of the "Mironovskaya 264" Grade of Winter Wheat.

Submitted by the V. F. Starchenko Mironov plant-selection station.

11. Sokolov, B. P., Khadzhinov, M. I., Galeyev, G. S., Musiyko, A. S., Kozubenko, V. Ye., Kuleshov, N.N., Zadontsev, A. I., Filev, D. S. The Development of High-Yielding Corn Grades and Hybrids, and Effective Agricultural Methods of Cultivating Them.

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7) In the Food and Light Industries

1. Levenko, P. I., Arbuzov, S. V., Aleksandrov, P. D., Veretennikov, I. N., Vinner, G. G., Garzanov, G. Ye., Dobkin, I. Ye., Zakharov, M. P., Metelkin, A. I. New Methods of Treating Leather with Synthetic Oil Instead of Natural Fats and Oils.

Submitted by the sovmarkhoz of the Moscow (city) economic administrative area.

2. Fedotov, N. M., Sil'yanov, V. G., Sokolov, V. N., Osipov, N. V., Mikhayev, A. P., Mayorov, V. S. The Development and Introduction of New Methods of Producing Glucose from Corn (glucose-albumen concentrate).

Submitted by the sovmarkhoz of the Tatar economic administrative region.

3. Khurodze, A. V., Dzhomardzhidze, G. S., Kupradze, P. D., Kalandadze, A. G., Darchiya, Sh. L., Mzhavanadze, D. G., Khocholava, I. A., Dzhobadze, B. N., Kiriya, L. Ye., Kvavilashvili, T. V., Dzhenukhadze, K. A., Natsvlishvili, D. F., Tskhadadze, G. K., Mshvidobadze, V. K., Yelkin, M. I., Demurishvili, I. Ya. The Development and Introduction of the Combined Production of Black and Green Tea, and the Complex Mechanization of such Production on the Basis of the New Technology.

Submitted by the sovmarkhoz of the Georgian SSR and the state committee for the coordination of scientific research under the Council of Ministers of the Georgian SSR.

4. Engel'radt, V. A., Shipalov, M. S., Yershov, S. S., Konstantinov, A. A., Semikhatov, S. N., Matrosov, V. I., Balashov, V. T., Kogan,

M. I., Savost'yanov, G. I., Vaganova, A. N., Maksimov, S. I., Tat'yanin, A. R. The Investigation, Development and Introduction of Installations for the Production of Fat-Soluble Vitamin Concentrates by the Molecular Distillation Method.

Submitted by the A. N. Bakh institute of biochemistry of the USSR Academy of Sciences.

5. Yarovenko, V. L., Sheheblykin, N. P., Nakhmanovich, B. M., Logotkin, I. S., Senkevich, V. V., Malinkin, S. G., Sheheblykina, N. A., Klimenko, Ya. A. The Development and Introduction of a Continuous Acetone Butyl Fermentation Method Including the Substitution of Fodder Malasses and Hydrolyzed Plant By-products for Rough Fodder.

Submitted by the Kabardino-Balkarian oblast CPSU committee and the sovmarkhoz of the Kabardino-Balkarian economic administrative region.

s) In the field of Medicine

1. Kolomiychenko, A. I., Kharsbak, Ye. M., Gukovich, V. A., Yashan, I. A. The Development, Improvement and Large-Scale Introduction of Operations Designed to Restore the Hearing of Otosclerosis Patients.

Submitted by the Learned Council of the Ukrainian Public Health Ministry, the institute of otolaryngology and Learned Council of the Kiev state institute of advanced physician training.

2. Smorodintsev, A. A., Chumakov, M. P., Vasil'yev, K. G., Voroshilova, M. K., Votkov, V. I., Davidenkova, Ye. F., Dzagurov, S. G., Drobyshchanskaya, A. I., Drozdov, S. G., Il'yanko, V. I., Lashkevich, V. A., Mironova, L. L. The large-Scale Production of Anti-Polio Live Vaccine in

the USSR, and its Wide Introduction in the Practice of Medicine.

Submitted by the institute of poliomyelitis and viral encephalitis and the institute of experimental medicine of the USSR Academy of Medical Science.

The Committee on Lenin Prizes in the field science and technology hereby appeals to the soviet public to participate in the discussion of the above-listed works.

The groups of authors are listed in connection with the institutions and organizations submitting their work in the competition for the 1963 Lenin Prizes. All suggested supplements to and changes in the listed groups of authors will be studied in the course of the review and discussion of the submitted works.

All comments and suggestions should be addressed to the Committee secretariat: Moscow, I-51, Neglinnaya street, 29/14.

The list of works accepted for the competition by the Committee will be published in February 1963.

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